

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005761**Date Inspected:** 13-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1845**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 645**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Shen Fu You**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

OBG Blast Area-

The Caltrans QA performed random visual inspection of OBG Segment 3AE interior floor beam, Longitudinal Diaphragm, Side and Bottom plate welds after blast inspection. Weld defects that did not meet AWS D1.5 requirements were covered with tape and marked on drawings to be repaired at a later date. ZPMC QC Zhou Dong Yun performed Magnetic Particle Testing (MT) of Arc Strike areas after grinding.

Bay 14-

This QA inspector performed Ultrasonic Testing (UT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as Deck Panel I ribs, DP600-001. The weld identification numbers are as follows: DP600-001-017, 019, 021 and 141.

This QA inspector performed Ultrasonic Testing (UT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as Deck Panel 580-001 and DP585-002. The weld identification numbers are as follows: DP580-001-015, 016, 017 and DP585-002-019, 020, 021 and 022.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

This QA Inspector observed the following work in progress: SAW welding of weld joint 001 located on PCMRK Segment 003 (1AW). ZPMC welder was identified as 250050. ZPMC QC is identified as Shen Fu You. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2221-B-L2C-S-2. Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversations between QA and QC occurred this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
